

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/013149

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C31/02 C07C29/10 C07F7/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C C07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 03/106397 A (MEDESTEA RESEARCH & PRODUCTION S.R.L.) 24 December 2003 (2003-12-24) example 7	4
P,X	WO 03/105822 A (MEDESTEA RESEARCH & PRODUCTION S.R.L.) 24 December 2003 (2003-12-24) claim 17	4,5
X	SINHA, SUBHASH C. ET AL: "Tandem Oxidative Cyclization with Rhenium Oxide. Total Synthesis of 17,18-bisepi-Goniocin" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 119, no. 49, 10 December 1997 (1997-12-10), pages 12014-12015, XP002277407 * compound 3 *	3,5

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

27 January 2005

Date of mailing of the international search report

04/02/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BASTIC, MILAN ET AL: "4-Methylsterols and aliphatic alcohols in some vegetable oils" BULLETIN DE LA SOCIETE CHIMIQUE BEOGRAD, vol. 45, no. 7-8, 1980, pages 251-259, XP009029236 figure 6 -----	3,4
X	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 03, 31 March 1999 (1999-03-31) -& JP 10 319625 A (CANON INC), 4 December 1998 (1998-12-04) * abstract * paragraph '0084! -----	2
A	BYKOV, V. I. ET AL: "Cometathesis of cycloolefins and alpha-olefins as an efficient route to long-chain alcohols. A new synthesis of triacontanol" DOKLADY AKADEMII NAUK, vol. 349, no. 2, 1996, - page 201, XP009029220 * scheme 4 * -----	1-13
A	TRAN-THI, N. H. ET AL: "An efficient synthesis of the plant growth hormone 1-triacontanol" MONATSCHEFTE FUER CHEMIE, vol. 126, no. 5, 1995, pages 565-568, XP009029235 * scheme 1 * -----	1-13
A	ODINOKOV, V. N. ET AL: "Ozonolysis of alkenes and reactions of polyfunctional compounds. XLI. Synthesis of oxygen-containing derivatives of triacontane" JOURNAL OF ORGANIC CHEMISTRY OF THE USSR, vol. 26, no. 7, 1990, pages 1209-1210, XP009029219 * preparation of compound VIII * -----	1-13
A	IYER, R. R. ET AL: "Convergent approaches to the syntheses of long-chain aliphatic hydroxy ketones: potential bioactive compounds of plant origin" INDIAN JOURNAL OF CHEMISTRY, SECTION B: ORGANIC CHEMISTRY INCLUDING MEDICINAL CHEMISTRY, vol. 28B, no. 9, 1989, pages 728-732, XP009029230 * scheme 1 * -----	1-13

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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>IYER, R. R. ET AL: "Plant growth regulators. Syntheses of n-triacontynol, n-triacontenol, an n-triacontanol"</p> <p>INDIAN JOURNAL OF CHEMISTRY, SECTION B: ORGANIC CHEMISTRY INCLUDING MEDICINAL CHEMISTRY,</p> <p>vol. 25B, no. 12, 1986, pages 1216-1219, XP009029231</p> <p>* scheme 1 *</p>	1-13
A	<p>YONG, TCHOY PEK CHAN ET AL: "Biosynthesis of nonisoprenoid hydrocarbons by the microalga Botryococcus braunii. Evidences for elongation-decarboxylation mechanism. Activation of decarboxylation"</p> <p>NEW JOURNAL OF CHEMISTRY (1986), 10(12), 701-7,</p> <p>vol. 10, no. 12, 1986, pages 701-707, XP009029234</p> <p>* compound 6a *</p>	4
A	<p>KIRCHNER, GERALD ET AL: "An efficient synthesis of 1-triacontanol"</p> <p>LIEBIGS ANNALEN DER CHEMIE, no. 1, 1985, pages 214-216, XP001180819</p> <p>* preparation of compound 4 *</p>	1-13
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A	<p>DE 32 37 646 A (HENKEL)</p> <p>12 April 1984 (1984-04-12)</p> <p>the whole document</p>	1-13
A	<p>CS 212 049 B (KOCIAN, OLDRICH)</p> <p>26 February 1982 (1982-02-26)</p> <p>examples</p>	1-13
A	<p>PENNINGER, J. ET AL: "New 1-triacontanol syntheses on a fat chemical basis"</p> <p>FETTE, SEIFEN, ANSTRICHMITTEL,</p> <p>vol. 85, no. 6, 1983, pages 239-241, XP009029232</p> <p>* scheme 5 *</p>	1-13
A	<p>KOCIAN, OLDRICH ET AL: "Unsaturated analogs of 1-triacontanol"</p> <p>COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS,</p> <p>vol. 47, no. 5, 1982, pages 1346-1355, XP009029222</p> <p>page 1347</p>	1-13

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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 674 889 A (SCHELL, RAYMOND A. ET AL) 4 July 1972 (1972-07-04) example 1 -----	1-13

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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